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EpCAM Protein (AA 24-265) (His-Avi Tag, Biotin)





Overview

Quantity:	100 μg
Target:	EpCAM (EPCAM)
Protein Characteristics:	AA 24-265
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This EpCAM protein is labelled with His-Avi Tag,Biotin.

Product Details

Purpose:	Biotinylated Human EpCAM/TROP1 Protein
Sequence:	Gln24-Lys265
Characteristics:	Recombinant Biotinylated Human EpCAM/TROP1 Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus.It contains Gln24-Lys265.
Purity:	> 95 % as determined by Tris-Bis PAGE,> 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per μg by the LAL method.
Biological Activity Comment:	Immobilized Biotinylated Human EpCAM, His Tag at 0.2µg/ml (100ul/Well) on the plate. Dose response curve for Anti-EpCAM Antibody, hFc Tag with the EC50 of 15.6ng/ml determined by ELISA. See testing image for detail.

Target Details

Target:	EpCAM (EPCAM)
Alternative Name:	EpCAM (EPCAM Products)
Background:	Epithelial Cellular Adhesion Molecule (EpCAM), also known as KS1/4, gp40, GA733-2, 17-1A, and TROP-1, is a 40 kDa transmembrane glycoprotein that consists of a 242 amino acid (aa) extracellular domain with two EGF-like repeats, a 23 aa transmembrane segment, and a 26 aa cytoplasmic domain.
Molecular Weight:	30.1 kDa. Due to glycosylation, the protein migrates to 30-45 kDa based on Tris-Bis PAGE result.
UniProt:	P16422

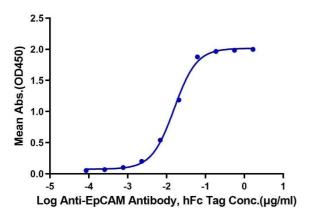
Application Details

Restrictions: For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μ g/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from $0.22\mu m$ filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt., -80°C for 3-6 months after reconstitution., 2-8°C for 2-7 days after reconstitution., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months

Biotinylated Human EpCAM, His Tag ELISA 0.02µg Biotinylated Human EpCAM, His Tag Per Well



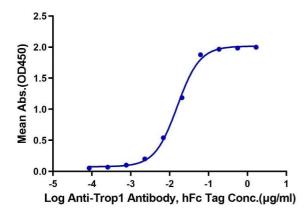
ELISA

Image 1. Immobilized Biotinylated Human EpCAM, His Tag at $0.2 \, \mu g/mL$ (100 $\mu L/Well$) on the plate. Dose response curve for Anti-EpCAM Antibody, hFc Tag with the EC50 of 15.6 ng/mL determined by ELISA.

Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Biotinylated Human EpCAM is greater than 95 % as determined by SEC-HPLC.

Biotinylated Human Trop1, His Tag ELISA 0.02µg Biotinylated Human Trop1, His Tag Per Well



ELISA

Image 3. Immobilized Biotinylated Human Trop1,His Tag at 0.2 μ g/mL (100 μ L/Well) on the plate. Dose response curve for Anti-Trop1 Ab., hFc Tag with the EC50 of 15.6 ng/mL determined by ELISA.

Please check the product details page for more images. Overall 4 images are available for ABIN7274031.